

Requirement Specification Document

PetPlanet : Online pet product store



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1- Project presentation:

1-1 Company Presentation:

PetPlanet is a Pet's products company. This is your place to find all the products you need to take care of your pets. Our lifelong love for animals is the inspiration for this business and our unique products.

1-2 Website Name:

PetPlanet

1-3 Target addressed by the site:

The target audience for Pet Planet is pet owners who are looking for a convenient and reliable source for pet-related products. This includes individuals who own dogs, cats, birds, fish, and other types of pets, and are looking for high-quality products to meet their pet's needs.

1-4 Framework:

End of year red thread project.

1-5 Description:

Pet Planet is an online pet product store that offers a wide range of high-quality products for pet owners. The platform is designed to make it easy and convenient for pet owners to find the products they need for their furry friends, with a user-friendly interface and a wide selection of products.

Pet Planet offers a variety of pet-related products including food, toys, accessories, grooming supplies, and more. Customers can easily browse and search for products, add items to their shopping cart, and checkout securely.

In addition to offering a convenient shopping experience, Pet Planet is committed to providing top-quality products and exceptional customer service. All products sold on the platform are carefully selected for their

quality, safety, and suitability for pets, and the customer service team is available to assist customers with any questions or concerns.

With Pet Planet, pet owners can be confident that they are getting the best products for their furry friends, all from the comfort of their own home. Whether you are looking for food, toys, accessories, or any other pet-related products, Pet Planet has everything you need to keep your pet happy and healthy.

2- Graphic and ergonomic description:

2-1 Graphic chart:

The graphic charter must be modern and uncluttered. Using the inspirations below :

Graphic design-wise, the color scheme should be bright and inspiring, with a mix of cool and warm colors. A color palette that consists of shades of green, brown and yellow can be used to create a bright and cheerful atmosphere.

2-2 Logo:

- The logo could feature an illustration of a stylized earth with a paw print in the center, symbolizing the focus on pet products and the global reach of the platform.
- The paw print and earth could be outlined in a thick, bold line to give the logo a modern and striking appearance.
- The name "Pet Planet" could be written in a clean, sans-serif font below the illustration, using the blue color from the color palette to evoke feelings of calmness and trust.
- The logo could be designed in a circular format, creating a cohesive and memorable design that can be easily recognized and associated with the brand.

3- Site goals:

- Provide a user-friendly shopping experience: The site should be easy to navigate, with a clear and intuitive layout that makes it simple for customers to find and purchase the products they need.
- Offer a wide range of pet products: The site should have a large selection of products that are relevant to pet owners, including food, toys, accessories, grooming supplies, and more.

4- Functional Needs :

1. Product Catalog: A comprehensive product catalog that allows customers to browse, search, and filter products by category, price, brand, and other relevant attributes.
2. Shopping Cart: A secure and user-friendly shopping cart system that allows customers to add products to their cart, view and modify their order, and proceed to checkout.
3. Order Management: An administration panel for managing orders, including the ability to view order details, update order status, and generate shipping labels.
4. Customer Management: A system for managing customer accounts, including the ability for customers to create accounts, view order history, and update their billing and shipping information.
5. Inventory Management: An efficient system for tracking product inventory levels, to ensure that customers are only able to purchase products that are in stock.
6. Marketing and Promotions: A set of tools for creating and managing marketing campaigns and promotions, including email marketing, coupon codes, and product upsells.
7. Blog Section: A platform for creating and managing blog posts, including the ability to categorize posts by topic, schedule post publication, and include images and videos.
8. Product Reviews: A system for customers to write and share product reviews, including the ability to rate products, provide detailed feedback, and have reviews moderated for quality control.

9. Review Display: A clear and easy-to-use interface for displaying product reviews on product pages, including the ability to filter reviews by star rating and sort by relevance.
10. Blog and Product Review Search: A search functionality to allow customers to easily find blog posts and product reviews based on keywords or topics.

4-1 Site Tree:

- Home
 - About Us
 - Products
 - Category 1
 - Subcategory 1
 - Subcategory 2
 - Category 2
 - Category 3
 - Blog
 - Blog Category 1
 - Blog Category 2
 - Contact Us
 - My Account
 - Login/Register
 - Order History
 - Shipping Information
 - Billing Information
 - Shopping Cart
 - Checkout

4-2 Exhibition of products:

1. Product Images: High-quality images that accurately represent the product and its features, including alternate views and close-ups.
2. Product Descriptions: Detailed and informative descriptions of each product, including its features, specifications, and benefits.
3. Product Categories: A clear and intuitive category structure that allows customers to quickly find products based on their interests and needs.
4. Product Filters: A set of filters that allow customers to refine their product search based on attributes such as price, brand, and color.
5. Product Ratings and Reviews: An integration of customer ratings and reviews, to provide social proof and help customers make informed purchasing decisions.

4-3 Customer registration :

1. Easy Sign-Up: A simple and intuitive sign-up process that allows customers to create accounts in just a few clicks.
2. Personal Information: The ability for customers to store their personal information, including name, address, email, and phone number.
3. Order History: A detailed history of all orders placed by the customer, including order status and tracking information.
4. Wish List: A feature that allows customers to save items they're interested in purchasing for later.
5. Login Credentials: Secure login credentials that protect the customer's personal and billing information, and ensure that only authorized users can access the account.

4-4 Adding a product to the basket :

1. Add to Basket Button: A clear and prominent button for adding products to the basket, located next to each product on the product page.

2. Quantity Selection: A field for selecting the quantity of the product to add to the basket, with options for increasing and decreasing the quantity.
3. Product Options: The ability to select any additional options or variations for the product, such as size, color, or materials.
4. Product Preview: A preview of the product in the basket, including a description, price, and image.
5. Basket Totals: A clear display of the total number of items in the basket, and the subtotal and total cost of the items.
6. Basket Icon: A visual icon or button that allows customers to quickly access their basket and view the contents at any time.
7. Error Handling: Error messages that are displayed if there are any issues adding a product to the basket, such as availability or compatibility issues.

4-5 Method of delivery :

1. Delivery Options: A clear and easy-to-understand overview of the available delivery options, including home delivery, pick-up in store, and any other options available.
2. Delivery Cost: A transparent display of the delivery cost for home delivery, based on the customer's location, the size and weight of the order, and any other relevant factors.
3. Delivery Time: An estimated delivery time for home delivery, based on the customer's location and the availability of the products.
4. Delivery Confirmation: A confirmation email or message that is sent to the customer when the order has been delivered, including a signature confirmation if required.

4-6 Confirmation of the order :

1. Order Review: A review of the order details, including the products, quantities, delivery options, and total cost.

2. Order Confirmation: A clear and concise confirmation message that is displayed after the order has been successfully placed, including a confirmation email.
3. Order History: A secure and easily accessible order history that allows customers to view and track their past orders, including order status and delivery information.
4. Order Cancellation: A clear and straightforward process for canceling an order if necessary, including any relevant fees or conditions.

4-2 Exhibition of Blog:

1. Blog Categories: Clear and easy-to-use categories for organizing blog posts, including topics like pet care, product reviews, and company news.
2. Blog Posts: High-quality and engaging blog posts that provide valuable information for customers, including articles, videos, and images.
3. Search Functionality: A powerful and easy-to-use search function that allows customers to quickly find the blog posts they are interested in.
4. Comments and Ratings: An interactive system for customers to leave comments and ratings on blog posts, allowing for open and honest discussions about the topics covered.

5 - Functional Description of the Back Office :

1. Product Management: An easy-to-use system for adding, editing, and managing products, including product details, descriptions, images, and prices.
2. Order Management: A comprehensive system for managing orders, including the ability to view, update, and track orders, as well as manage shipping and payment information.

3. Customer Management: A system for managing customer information, including the ability to view and update customer profiles, as well as manage billing and shipping information.
4. Inventory Management: A system for tracking and managing inventory levels, including alerts for low stock levels and the ability to restock products.
5. Content Creation: Developing and publishing new blog posts, either in-house or with the help of external contributors.
6. Content Editing: Reviewing and editing blog posts to ensure they are well-written, accurate, and meet the standards of quality set by the site.
7. Content Scheduling: Planning and scheduling the publication of blog posts, to ensure they are published at optimal times to reach the target audience.

6- Technical Constraints :

1. The application must be built using the Spring Boot framework for the backend and Angular for the frontend.
2. The application must use MySQL as the primary database management system.
3. The application must be compatible with the latest version of web browsers (Chrome, Firefox, Safari, etc.).
4. The application should be designed to be mobile-responsive, meaning it should be easily navigable and usable on mobile devices